



Planetary Analog Site Evaluation Card

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SITE NASA Dryden - Moonyard

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LOCATION **Country:** USA **State:** California
Coordinates: 34°58'N, 117°53.2'W **Elevation:** +2290ft.
Nearest Airfield: NASA Dryden **Distance:** 0 mile
Map:



DESCRIPTION:

Environment: Mojave Desert
Facility: NASA Dryden FRC
Crew: N/A
Experiments: Surface Ops
Vehicles: Gov't SUVs, ATVs
Open: Year-round



HISTORY

NASA Involvement: NASA Dryden Flight Res. Ctr.
 NASA Field Tests (Extensive).
External Partners: Edwards Air Force Base

FIGURES OF MERIT

Site value: 1 (low) to 5 (high)

Aspect	Details	Comment	1-5
EXPLORATION			
Environment	T, P, RH, Insolation, Radiation,...	Mojave Desert	
Topography	Available Area / Traverse Range	300+ acres	5
	Slopes	Needs landscaping	3
Terrain	Block/Particle Size & Shape Distrib.	Silt, sand, gravel	3
	Physical Properties	Compact, unconsol.	4
	Vegetation	Needs removal	2
Subsurface	Structure (Layered, Massive,...)	Layered deposits	4
SCIENCE			
Geology	Composition (Mineral., Geochem.)	Quartz, Basalt, Salt	3
	Features (Surface, Subsurface)	Playa, Debris Apron	3
	Processes (Impact, Volcanism,...)	Volcanism, Wind	3
Biology	Astrobiology (Extremophiles,...)	Halophiles?	3
ACCESS			
Logistics	Airport (Major)	On site. LAX 4h away	5
	Road	18 Wheele OK.	5
	Logistics Infrastructure Base Site	Extensive (NASA)	5
	Water & Food	On site + Mojave, CA	5
	Power	On site grid (NASA)	5
	Comms	On site netwk (NASA)	5
	Lodging	Mojave, CA (10 km)	5
	Vehicles	SUVs, Rental OK	5
	Waste Disposal	On site service	5
	Weather (T Range, Rain?)	60,70<T<80,100 F	4
Safety	Search & Rescue	On site (NASA)	5
	Medical Support, Hospital	On site (NASA+AFB)	5
Security	Controlled Access	NASA, Edwards AFB	5
E/PO - PA	Education	NASA Flight History	4
	Public Outreach - Visual Appeal	NASA Dryden	3
	Media	NASA Dryden	5
Permits	Access & Land Use Permits	NASA, EdwardsAFB	4
Partners	Partner Organizations / Leveraging	NASA Coalition, AF	4
References	Maps, GIS Data, Publications	NASA, Edwards AFB	5

EVALUATION SUMMARY

Secure NASA Site. Major Infrastructure to leverage.
 Strong NASA Coalition support. Dry weather. Major
 Moonyard landscaping needed. Low risk. Low cost.